## **E**NTERPRISE**DX**<sup>®</sup>

 A cloud-based SaaS EEM that gathers, houses & interprets all of an enterprise's energy & facility data in a clear, concise, actionable way to reduce energy use and save money.



#### Cloud-based EEM CalIT2 Workshop



## **EDX Explorer**

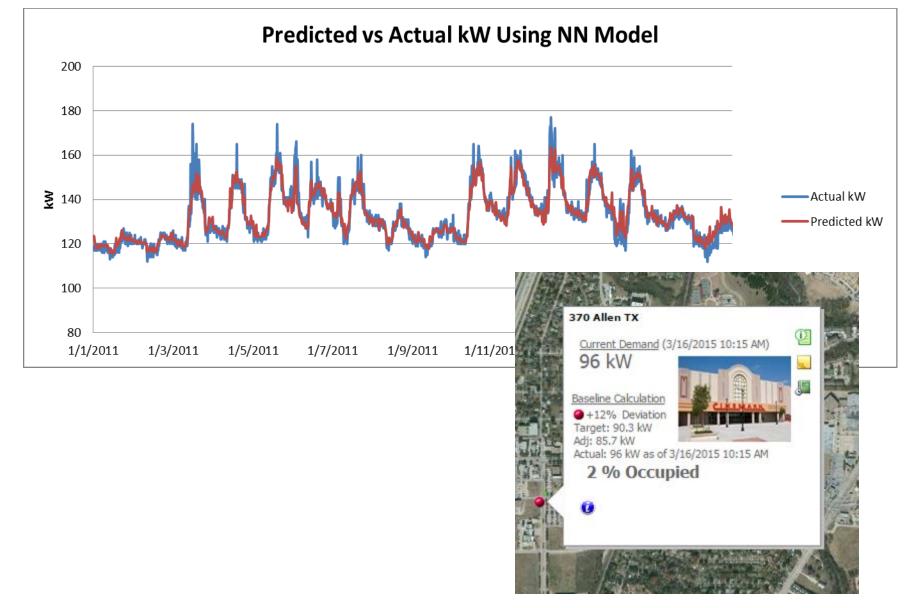
A comprehensive GIS-based view of energy use and deviation by location.





#### Macro-Level Analysis

Robust energy models enable contextual analysis for real-time diagnostics, load predictions and quantification of performance.



## **EDX Executive Dashboard**

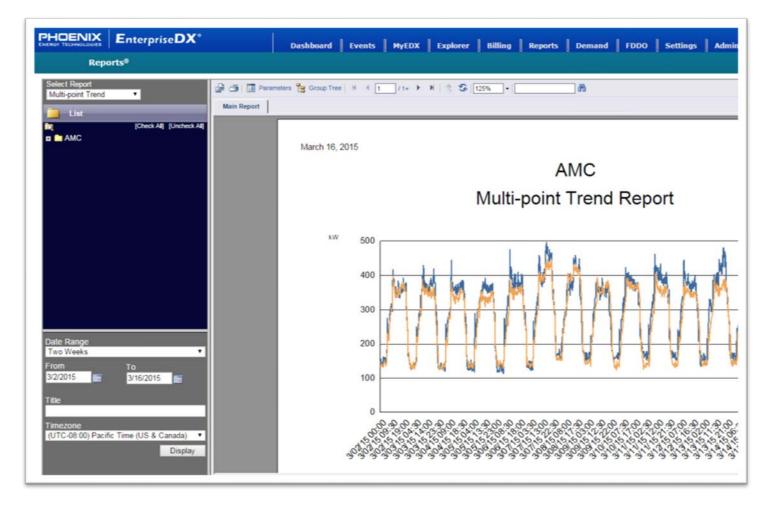
A view of energy consumption and budget performance by location.





## **EDX Reports**

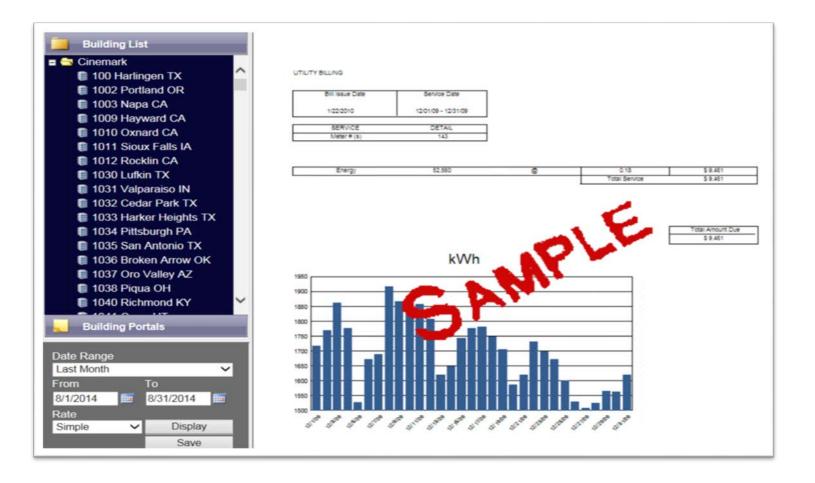
#### Standard Energy Reports





## **Billing Module**

A facsimile bill to support tenant sub billing for multi-tenancy locations.





#### Deployable across several platforms





## **EDX Fault Diagnostics®**

Our fault detection and diagnostic (FDDO) algorithms find underlying issues in building operations and maintenance.

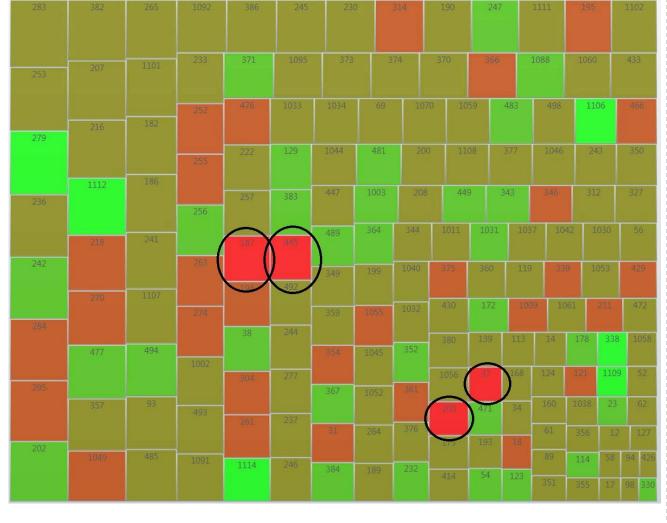
1: Select Report Topic(s)	FDDO Anomaly Entry Reports						
Economizer Free Cooling Loss Dlagnostic Economizer OSA High Temp Dlagnostic Fan Cycle Diagnostic Fan Isolation Damper Diagnostic HVAC Efficiency Diagnostic Lighting Dlagnostic	Economizer Free Cooling Loss Diagnostic - Sequence of Operation: The economizer free Cooling Loss Diagnostic - Sequence of Operation: The economizer Solution (RTU) throw less than 55-65 DEG F), then cold air assists the RTU in cooling off the interior sompressor runs less, which saves electricity and money. This is why the economizer system (BAS) measures the Outside Air Temperature economizer cycle when appropriate.						
Load Balancing Diagnostic							
Cocupancy Cycle Diagnostic							
2: Select Location(s)	Economizer Free Cooling Loss Diagnostic						
Select All	Anomaly Code: Economizer Free Cooling Loss						
✓ 259 Merriam KS	Location: Puente 20 (249) System: IPAK RTU-1						
✓ 357 Tarentum PA							
231 Plano TX	Device: Outside Air Damper						
370 Allen TX	Scan: 10/2/2013 12:00:00AM to 10/11/2013 12:00:00AM						
236 El Paso TX	Recorded: 10/10/2013 9:14:00PM						
276 Woodridge IL	Anomaly Period: 10/6/2013 9:15:00AM to 10/6/2013 5:15:00PM						
ST 257 Macedonia OH	Consequence: Energy Waste						
Save Locations Load Saved Locations	Detail: The economizer sequence for IPAK RTU-1 is not operating pro- when the Outside Air Temperature is less than 55 DEG F. The been enabled at least a total of 8 hour(s) during the period scan						
Start Date End Date	consequence translates to \$8,361.60 per month, \$100,339.20 a a programming logic error in the Building Automation System (E Output signal did not operate correctly.						



# THIS is the building management view of the future! 283 382 265 1092 386 245 230 214 190 247 111

- 170 theaters
- 8-10 avg. Zones
- 96 x 15 mins.
- 7days

#### 17MM data points!

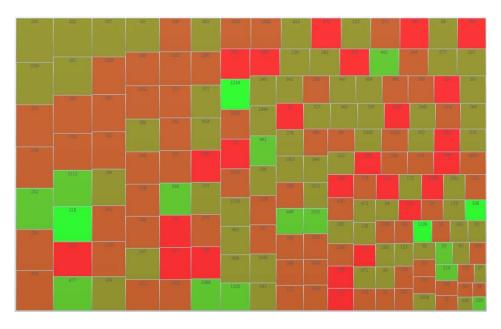




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EnterpriseDX provides advanced data visualizations. Energy Intensity heat and temperature comfort maps.

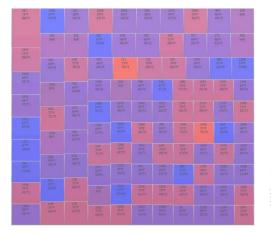
"Big data" is all about making sense of thousands of data points; at a glance"

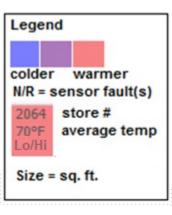


#### All zones (average)

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and a second			1005 1079 1179				100. 201	HINK STR	315	1388 7014 81/23
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			202 27 17/1				11 11 11 11 11 11 11 11 11 11 11 11 11			100

#### Sales Floor





1,157 zone temps (average 8-9 per store) 96 – 15 minute intervals x 7 days = 698, 880 data values in dataset.